Index of Claims

| Application/Control No. | Applicant(s)/Patent under Reexamination |
|-------------------------|---|
| 09/699,098              | HERZ ET AL.                             |

09/699,098

Examiner

Art Unit

Tony Mahmoudi

2165

| √ | Rejected |
|---|----------|
| = | Allowed  |

| _ | (Through numeral)<br>Cancelled |
|---|--------------------------------|
| ÷ | Restricted                     |

| N | Non-Elected  |
|---|--------------|
|   | Interference |

| A | Appeal   |
|---|----------|
| o | Objected |

| Cla             | aim      | Date     |          |          |               | Claim Date      |          |          |           |   | 7::::    | CI       | aim      | Date            |          |          |         |         |                  |   |        |       |          |          |                 |          |          |                |          |                 |          |          |
|-----------------|----------|----------|----------|----------|---------------|-----------------|----------|----------|-----------|---|----------|----------|----------|-----------------|----------|----------|---------|---------|------------------|---|--------|-------|----------|----------|-----------------|----------|----------|----------------|----------|-----------------|----------|----------|
|                 |          |          |          |          |               |                 |          |          |           |   |          |          | _        | П               |          | Ī        |         | ı       |                  |   |        |       |          |          |                 |          |          |                |          |                 |          |          |
| Final           | Original | 7/29/03  | 4/14/04  | 11/2/04  | 7/27/05       |                 |          |          |           |   |          | ল        | Original |                 |          |          |         |         | i                |   |        | ā     | Original |          |                 |          |          |                |          |                 |          |          |
| <u>ٿ</u>        | Ē        | /29      | /14      | 1/2      | 12            |                 |          |          |           |   |          | Final    | rig.     |                 |          |          |         |         |                  |   |        | Final | rigi     |          |                 |          |          |                |          | 1               |          |          |
| -               | 0        | 7        | 4        | 1        | 7             |                 |          |          |           |   |          | -        | Õ        |                 |          |          |         |         |                  |   |        | _     | Ō        |          | ΙI              |          |          |                |          | 1               |          |          |
|                 | Ø        | 1        | -        | -        | -             | 1-              | Н        | H        | $\vdash$  |   | <b> </b> |          | 51       |                 | -        |          | +       | +       | +                |   | -      |       | 101      | ┢        | H               | $\dashv$ |          | Н              | $\vdash$ | $\vdash$        | -        |          |
|                 |          | 7        | -        | -        | -             | -               | Н        | $\vdash$ | $\vdash$  |   | <b> </b> |          | 52       | <del>   </del>  | $\dashv$ |          | ┰       | +       |                  | 1   | -      |       |          | -        | $\vdash$        |          |          | Н              | H        | $\vdash$        | -        | $\dashv$ |
| <u> </u>        | <b>A</b> | V        | - ✓      | √        | 1             | -               | Н        | $\vdash$ | $\vdash$  |   | ł        | ├─       | 53       | $\vdash$        | $\dashv$ |          | +       | +       |                  | <del>  </del>                                     | -      |       | 102      | $\vdash$ | $\vdash$        | $\dashv$ |          | $\vdash\vdash$ | H        | $\vdash \vdash$ |          | .—       |
|                 |          |          | ν_       |          |               | $\vdash$        | Н        | -        | $\vdash$  |   | <b> </b> |          |          | $\vdash$        | -+       |          | +       | +       | +-               | <del>  </del>                                     | 4      |       | 103      | -        | $\vdash \vdash$ | ᅱ        |          | Н              | H        | $\vdash \vdash$ | -        |          |
| -               | 4        |          |          | 1        | 1             | ⊢               | H        |          | $\square$ |   | <b>.</b> | <u> </u> | 54       | $\vdash$        | -+       | +        | +       | +       | -                | <del> </del>                                      | 4::::: |       | 104      | <u> </u> | $\vdash \vdash$ | $\dashv$ |          | Н              |          | $\vdash \vdash$ |          |          |
| <u> </u>        | 5        |          |          | 1        | 1             | <b>!</b> —      | Ш        | Ш        |           |   |          | <u> </u> | 55       | $\vdash$        | _        | -        | 4       | 4       |                  | $\vdash$  | 4::::  |       | 105      | <u> </u> | $\sqcup$        | $\dashv$ |          | $\sqcup$       | L        | -               | _        | _        |
|                 | 6        |          | _        | 1        | 1             | ┖               |          | Ь        |           |   |          |          | 56       | $\sqcup$        | 4        |          | _       | _       |                  | $\vdash$  | 4      |       | 106      | _        |                 | _        |          |                | _        | $\vdash$        | _        |          |
|                 | 7        |          |          | 4        | 1             | ╙               | Ш        |          |           |   | <b>.</b> |          | 57       | Ш               | $\dashv$ | _        | 1       | $\perp$ | $\bot$           |   | _      |       | 107      |          |                 |          | _        | Ш              |          | Ш               |          |          |
|                 | 8        |          |          | 4        | 1             |                 |          |          |           |   |          |          | 58       |                 | _        |          | $\perp$ |         |                  |   | _      |       | 108      | L        | Ш               |          |          | Ш              |          |                 |          |          |
|                 | 9        |          |          | 1        | 1             |                 |          | Ш        |           |   |          |          | 59       |                 |          |          |         |         |                  |   | _      |       | 109      |          |                 |          |          |                |          |                 |          |          |
|                 | 10       |          |          | √        | 1             |                 |          |          |           |   | ]:::::   |          | 60       |                 |          |          |         |         |                  |   |        |       | 110      |          |                 |          |          |                |          |                 |          |          |
|                 | 11       |          |          | V        | √             |                 |          |          |           |   |          |          | 61       |                 | $\neg$   |          | Т       | Т       |                  |   | 7::::: |       | 111      |          |                 |          |          |                |          | $\Box$          | $\Box$   |          |
|                 | 12       |          |          | 1        | √             | П               |          |          |           |   |          |          | 62       |                 | T        | T        | T       | T       |                  |   | 7      |       | 112      |          | $\Box$          |          |          |                |          | П               |          |          |
|                 | 13       |          |          |          |               | П               | П        |          |           |   | 1        |          | 63       |                 | $\neg$   | $\neg$   | $\top$  | $\top$  | 1-               | $\Box$  | 7::::  |       | 113      | Г        | П               | $\neg$   |          | $\sqcap$       |          | $\Box$          | $\neg$   |          |
|                 | 14       |          |          |          | Г             | П               | П        |          | П         |   | 1        |          | 64       |                 | 1        | 1        | 1       | 1       | $\top$           | 1-1-  | 1:::   |       | 114      |          | П               | $\neg$   |          | $\sqcap$       | П        | $\sqcap$        | $\neg$   |          |
|                 | 15       |          |          |          | Г             | П               |          |          |           |   | 1        |          | 65       | $\Box$          | $\dashv$ | $\top$   | $\top$  | $\top$  | +-               | 1-1-  | 1      |       | 115      | П        | H               | $\dashv$ | $\neg$   | $\dashv$       | П        | $\sqcap$        | $\dashv$ | _        |
|                 | 16       | П        |          |          | 1             | П               |          |          |           |   | 1::::    |          | 66       | $\vdash$        | $\dashv$ | $\top$   | $\top$  | $\top$  | $\top$           |   | 7      |       | 116      | _        | $\vdash \vdash$ |          | $\neg$   | $\dashv$       | H        | $\sqcap$        | ᅥ        |          |
|                 | 17       | Н        |          |          | Н             | Н               |          | $\vdash$ | $\vdash$  |   | 1::::    |          | 67       | $\vdash \vdash$ | +        | +        | +       | +       | +                | ++  | ┧      |       | 117      | -        | $\vdash$        |          | $\dashv$ | $\dashv$       | H        | $\dashv$        | $\dashv$ |          |
| $\vdash$        | 18       | H        |          | _        | ┰             | Н               | $\vdash$ | Н        | $\vdash$  |   | 1        | <u> </u> | 68       | $\vdash \vdash$ | $\dashv$ | $\dashv$ | +       | +       | +                | <del>  -                                   </del> | 1      |       | 118      | _        | $\vdash$        |          | $\dashv$ | $\dashv$       | Н        | $\dashv$        | $\dashv$ | $\dashv$ |
|                 | 19       |          |          |          | ├             | Н               | Н        |          |           |   | 1        |          | 69       | $\vdash$        | $\dashv$ | +        | +       | +       | -                | <del>                                     </del>  | -      |       | 119      | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$       |          | $\vdash$        | $\dashv$ |          |
| -               |          | $\vdash$ |          |          |               | Н               | Н        | -        | $\dashv$  |   |          |          | 70       | -               | $\dashv$ | +        | +       | ╬       |                  | <del>  </del>                                     | -1:::: |       | 119      | -        | $\vdash$        | -        | -        | -              | $\vdash$ | ⊢┼              |          |          |
| -               | 20       | Н        | -        |          | -             | Н               | Н        | Н        | $\dashv$  |   |          |          |          |                 | +        | +        | +       | +       | +                |   | -      |       | 120      | _        | <del>  </del>   |          | _        | $\dashv$       | $\vdash$ | $\vdash$        | $\dashv$ | -        |
| <u> </u>        | 21       |          |          |          | ┡             |                 | Н        |          | $\dashv$  |   |          |          | 71       |                 |          | -        | _       | +       | - <del> </del> - |   | 4      |       | 121      |          | $\vdash \vdash$ | $\dashv$ | _        | $\vdash$       |          | $\vdash$        | $\dashv$ | _        |
| <u> </u>        | 22       |          |          |          |               | $\vdash$        |          | Щ        | $\dashv$  |   |          | <u> </u> | 72       | $\dashv$        | _        | -        | _       | 4       | $\perp$          |   | -      |       | 122      |          | $\sqcup$        | _        | _        |                | _        | $\vdash$        |          |          |
|                 | 23       |          |          |          |               | $\vdash$        |          | $\Box$   |           |   |          |          | 73       | $\perp$         | $\dashv$ | $\dashv$ | 4       | $\bot$  |                  |   | -      |       | 123      |          |                 |          | _        | _              |          | -               | _        | _        |
| <u></u>         | 24       |          |          |          |               | Ш               |          |          |           |   |          |          | 74       | $\Box$          | _        |          | ┵       | $\perp$ |                  | <del>                                     </del>  | 4      |       | 124      |          | Ш               |          | _        | $\square$      |          | $\rightarrow$   |          |          |
|                 | 25       |          | $\Box$   |          |               |                 |          |          |           |   |          |          | 75       |                 |          |          |         | $\perp$ |                  |   | J::::: |       | 125      |          |                 |          |          |                |          |                 |          |          |
|                 | 26       |          |          |          |               |                 |          |          |           |   |          |          | 76       |                 | _        |          |         |         |                  | oxdot   | _::::  |       | 126      |          |                 |          |          |                |          |                 |          |          |
|                 | 27       |          |          |          |               |                 |          |          |           |   |          |          | 77       |                 |          |          |         | $\perp$ |                  |   |        |       | 127      |          |                 |          |          |                |          |                 |          |          |
|                 | 28       |          |          |          | L             |                 |          |          |           |   |          |          | 78       |                 |          |          |         |         |                  |   |        |       | 128      |          |                 |          |          |                |          |                 |          |          |
|                 | 29       |          |          |          |               |                 |          |          |           |   |          |          | 79       |                 | П        |          |         | Т       |                  |   |        |       | 129      |          |                 |          |          |                |          |                 | $\Box$   |          |
|                 | 30       |          |          |          |               |                 |          |          |           |   |          |          | 80       |                 |          |          |         | T       |                  |   | 7::::  |       | 130      |          |                 |          |          |                |          |                 | ヿ        |          |
|                 | 31       |          |          |          |               | $\Box$          |          |          |           |   |          |          | 81       |                 |          |          | T       | ┪       |                  |   | 1::::  |       | 131      |          |                 |          |          |                |          |                 | $\neg$   | $\neg$   |
|                 | 32       |          |          |          |               |                 |          |          | $\neg$    |   |          |          | 82       |                 | $\neg$   |          | 1       | 1       |                  |   | 1::::  |       | 132      |          |                 |          |          |                |          | 一               | 一        | $\neg$   |
|                 | 33       |          |          |          |               |                 |          |          | $\neg$    |   | 1        |          | 83       | T               | 十        | T        | _       | $\top$  | 1                |   | 1::::  |       | 133      | _        |                 | _        | _        | $\dashv$       | $\neg$   | -               | ヿ        | T        |
|                 | 34       | $\dashv$ | $\neg$   | $\neg$   | $\overline{}$ | $\Box$          | $\vdash$ |          | H         |   |          |          | 84       | $\top$          | $\dashv$ | $\dashv$ | +       | 十       | 1.               |   | 1      |       | 134      |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$       | $\vdash$ | $\dashv$        | $\dashv$ |          |
| <b></b>         | 35       |          | $\dashv$ | _        | _             | $\vdash$        | $\vdash$ | -        | $\dashv$  | _ |          |          | 85       | -               | _        | +        | 十       | +       | $\dashv$         | ++  | 1      |       | 135      | <u> </u> | $\vdash$        | -        |          | -              | -        | $\dashv$        |          |          |
|                 | 36       |          | -        | $\dashv$ | _             | $\vdash$        | $\vdash$ | $\dashv$ |           |   |          | -        | 86       | $\dashv$        | $\dashv$ | $\dashv$ | ╅       | +       | +                | +   | 1::::: |       | 136      | -        | ┝┿              |          |          | $\dashv$       | $\vdash$ | $\dashv$        |          |          |
| $\vdash$        | 37       | $\vdash$ | $\dashv$ |          | -             | $\vdash$        | -        | -        | $\dashv$  |   |          | L        | 87       |                 | +        | +        | +       | +       | +                | ++  | 1      |       | 137      | -        | $\vdash$        |          | -        |                |          | -               | $\dashv$ | $\dashv$ |
| $\vdash$        | 38       | $\dashv$ | $\dashv$ | $\dashv$ |               |                 | $\vdash$ |          | $\dashv$  |   |          |          |          | +               | +        | +        | +       | +       | +                | ++  | -      |       |          | H        | $\vdash$        |          |          |                |          | $\dashv$        |          |          |
| $\vdash \vdash$ | 39       | $\dashv$ | $\dashv$ | $\dashv$ |               | $\vdash$        |          |          |           |   |          |          | 88       | $\dashv$        | +        | +        | +       | +       | +                | $\vdash$  | -      |       | 138      |          | $\vdash$        |          |          |                |          | $\dashv$        | $\dashv$ | {        |
| ├               |          |          | $\dashv$ | $\dashv$ |               | $\vdash$        |          | -        |           |   |          |          | 89       |                 | +        |          | +       | +       | +                | <del>   </del>                                    | -      |       | 139      | Щ        | $\vdash \vdash$ | -4       |          |                |          | -               |          |          |
| $\vdash \vdash$ | 40       | _        |          |          |               | $\vdash \vdash$ | $\vdash$ |          | _         | _ |          |          | 90       | -               |          | _        | - -     | $\bot$  | +                | $\vdash$  | 4      |       | 140      |          | <del>   </del>  |          |          |                |          | _               |          |          |
| <b>  </b>       | 41       | _        | _        |          |               | $\sqcup$        | $\sqcup$ |          | _         |   |          |          | 91       | $\dashv$        | $\dashv$ |          | 4       | 4       |                  | $\vdash$  | -      |       | 141      | _        | _               | _        |          |                |          | _               |          | _        |
| $\vdash \vdash$ | 42       | _        |          | _        | _             | Щ               |          | _        | _         |   |          |          | 92       | $\perp$         | $\dashv$ | $\bot$   | $\bot$  | 4       | 1                | $\sqcup \bot$                                     | 4]     |       | 142      |          | $\square$       |          |          |                |          | _               | _        |          |
| igsquare        | 43       |          |          |          |               | Ш               | $\Box$   |          | _         |   |          |          | 93       | _               | _        |          | $\perp$ | $\perp$ |                  | $\sqcup \bot$                                     |        |       | 143      |          | $\sqcup$        |          |          |                |          | $\perp$         |          |          |
| $\sqcup \sqcup$ | 44       | $\perp$  |          |          |               | Ш               |          |          |           |   |          |          | 94       |                 |          |          |         | ┸       |                  |   | J[     |       | 144      |          |                 |          |          |                |          |                 |          |          |
|                 | 45       |          |          |          |               | ot              |          | [        |           |   |          |          | 95       |                 |          |          | َ ل     | Ĺ       |                  |   | ][     |       | 145      |          |                 |          |          |                |          |                 |          |          |
|                 | 46       |          |          |          |               |                 |          |          |           |   |          |          | 96       | J               | Ι        |          | Т       |         | T                |   |        |       | 146      |          | T               |          |          | $\neg$         |          | $\neg$          | $\neg$   |          |
|                 | 47       | $\neg$   | $\neg$   |          |               | Π               | П        |          | $\neg$    |   |          |          | 97       | $\neg$          | Т        |          | T       |         | 1                |   | 11     |       | 147      |          |                 |          |          | ヿ              |          | $\neg$          | $\neg$   | $\neg$   |
|                 | 48       | T        |          |          |               | $\Box$          | $\neg$   | $\neg$   | $\neg$    |   |          |          | 98       | $\neg$          | T        |          | $\top$  | 1       | $\top$           |   | 1 1    |       | 148      |          |                 |          | T        | 寸              |          | ヿ               | ヿ        | $\dashv$ |
| $\Box$          | 49       | T        | ┪        | _        |               | П               | $\neg$ † | _        | $\dashv$  |   |          |          | 99       | $\neg$          | 十        | Τ.       | 1       | ╅       | _                |   | 1      |       | 149      |          | -               | $\dashv$ | $\neg$   | ᅥ              |          | $\dashv$        | $\dashv$ | ⊣        |
|                 | 50       | $\neg$   | $\dashv$ | _        |               | H               | $\dashv$ | $\dashv$ | -+        |   |          |          | 100      | $\neg +$        | +        | +        | $\top$  | +       | +                |   | 1      |       | 150      | $\vdash$ | -t              | _        | $\neg$   | $\dashv$       |          | $\dashv$        | $\dashv$ | $\dashv$ |
|                 |          |          |          |          |               |                 |          |          |           |   |          |          |          |                 |          | L        | _1_     |         |                  |   | Ji     |       | 100      |          | _ E             |          |          |                |          |                 |          | - 1      |